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FIG. 1
PRIOR ART

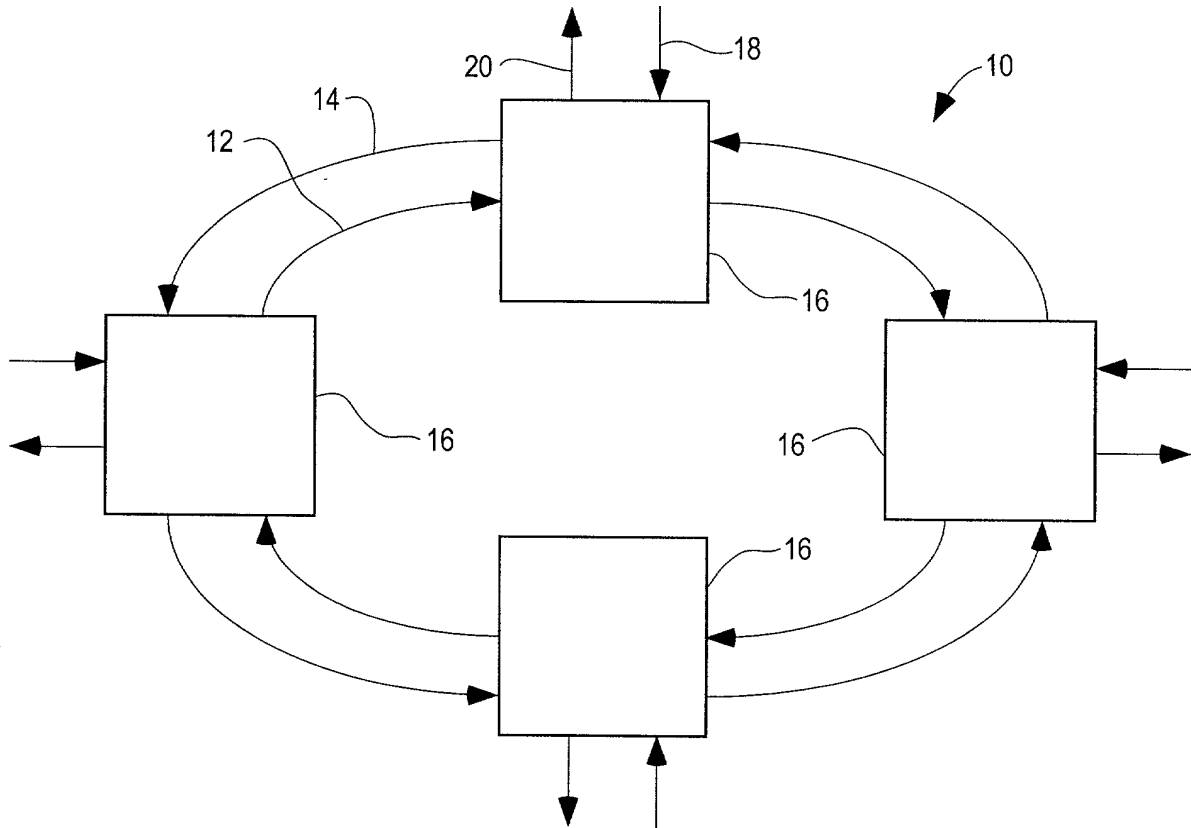
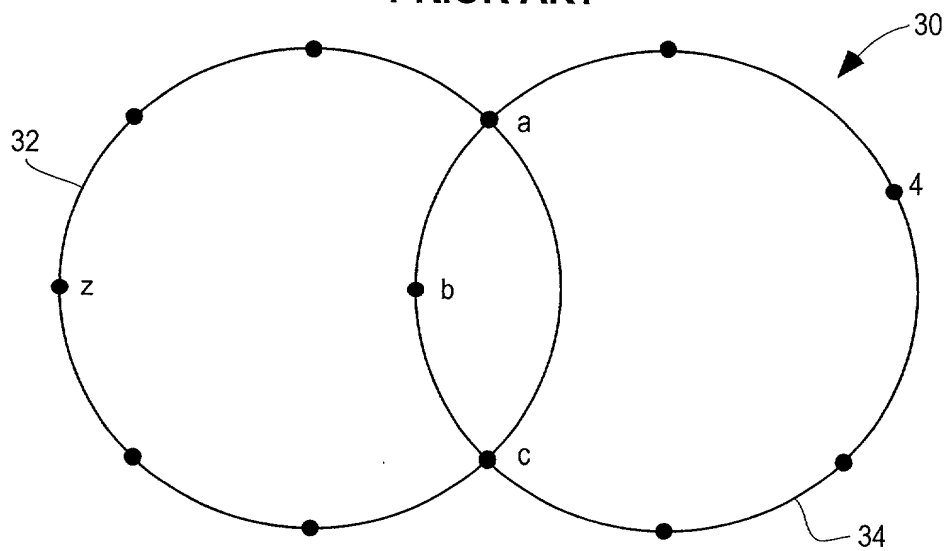
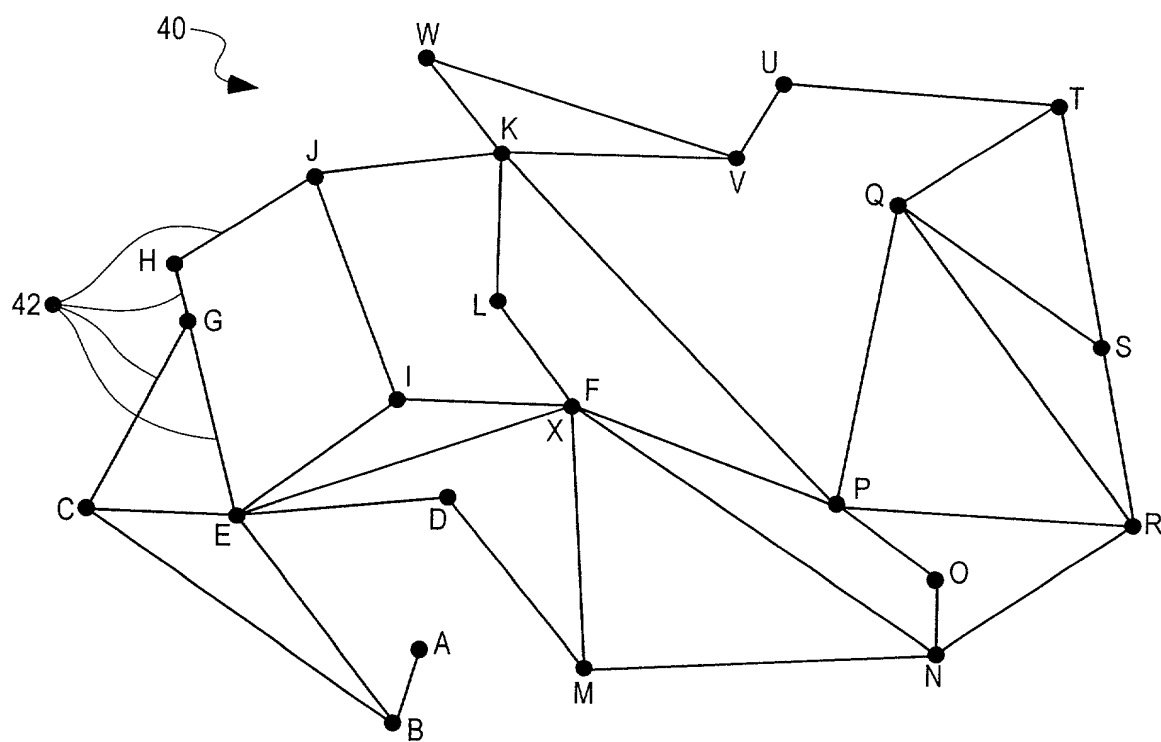


FIG. 2
PRIOR ART



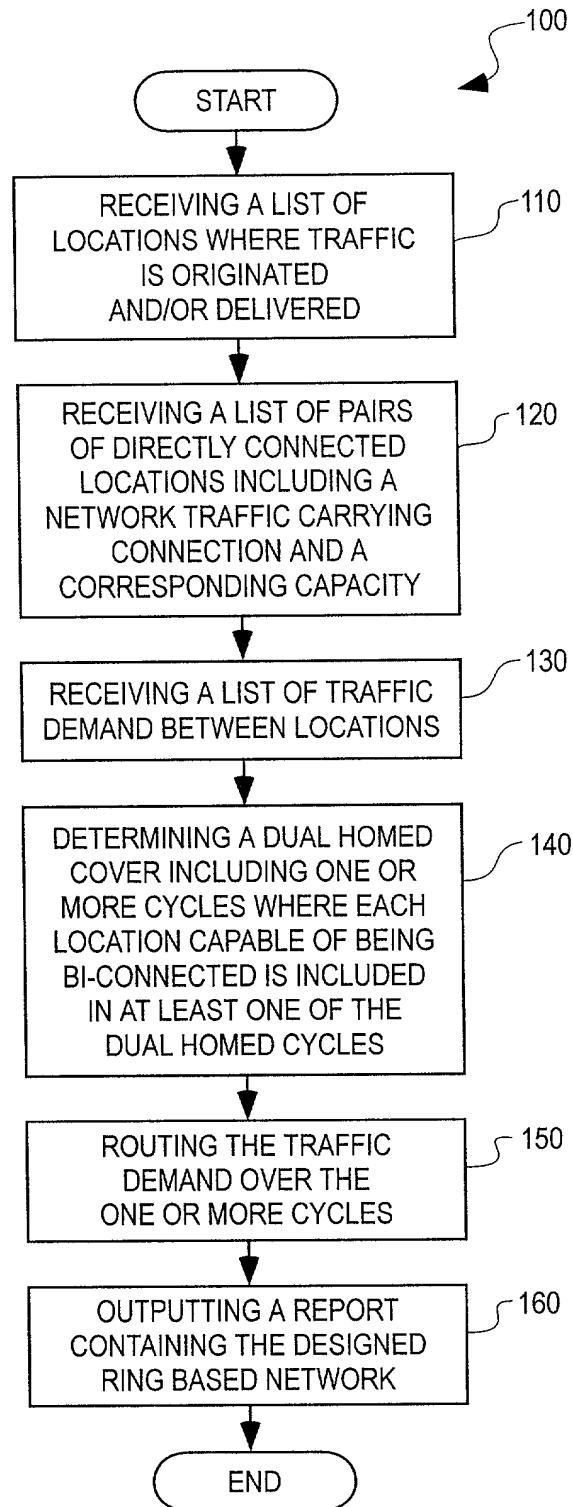
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FIG. 3



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FIG. 4



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FIG. 5A

200

LOCATIONS
A
B
C
D
E

205

FIG. 5B

210

LOCATIONS DIRECTLY CONNECTED		TOTAL # FIBER	SPARE # FIBER
O	N	28	1
M	N	20	4
E	I	19	5
...	

215

220

225

230

FIG. 5C

235

LOCATION PAIRS		TRAFFIC BETWEEN LOCATIONS
A	B	374
A	C	22
A	D	7
...		...

240

245

250

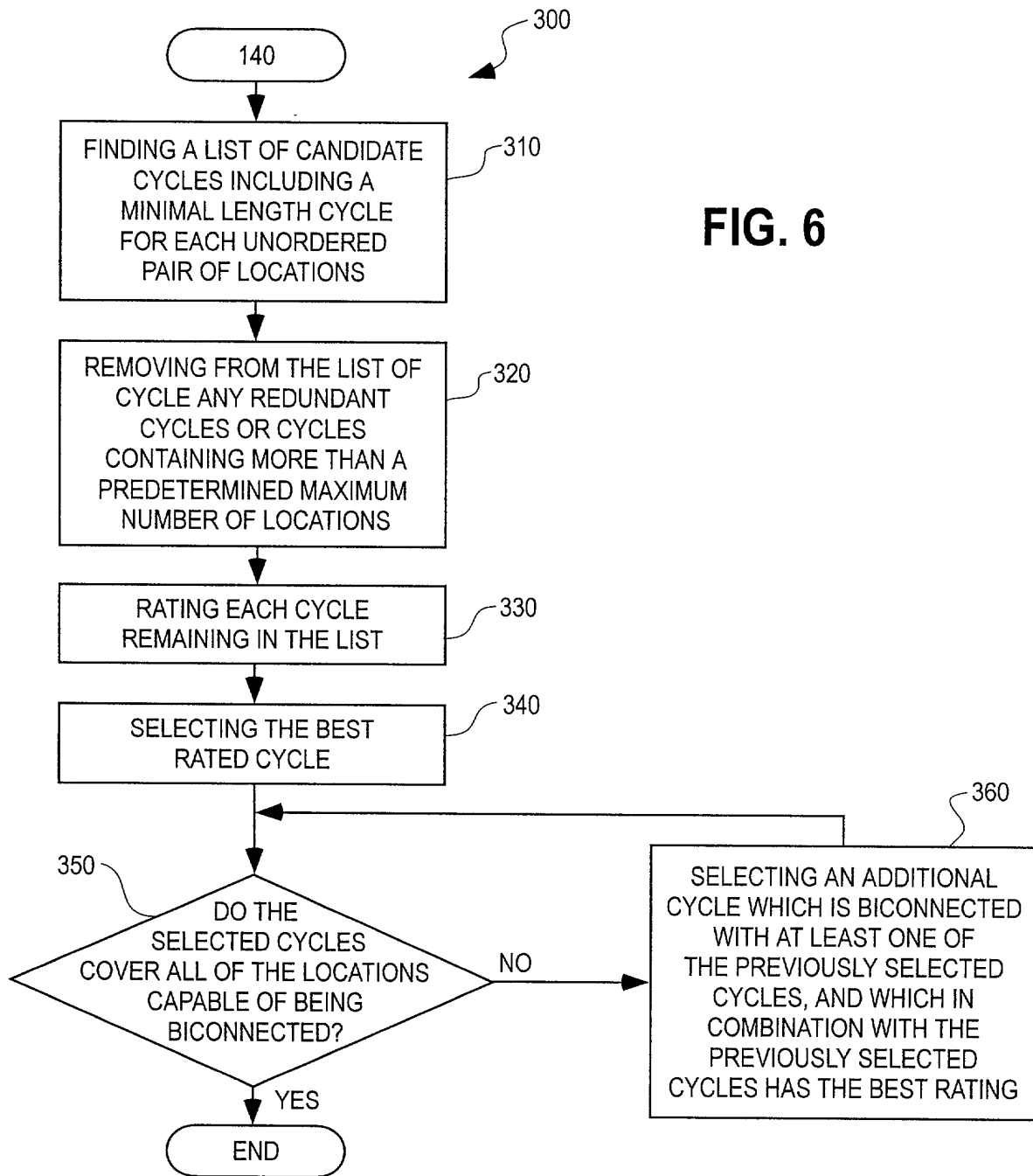
FIG. 5D

255

	A	B	C	D	E	F
A	—	374	22	7
B	374	—
C	22	...	—
D	7	—
E	—	...

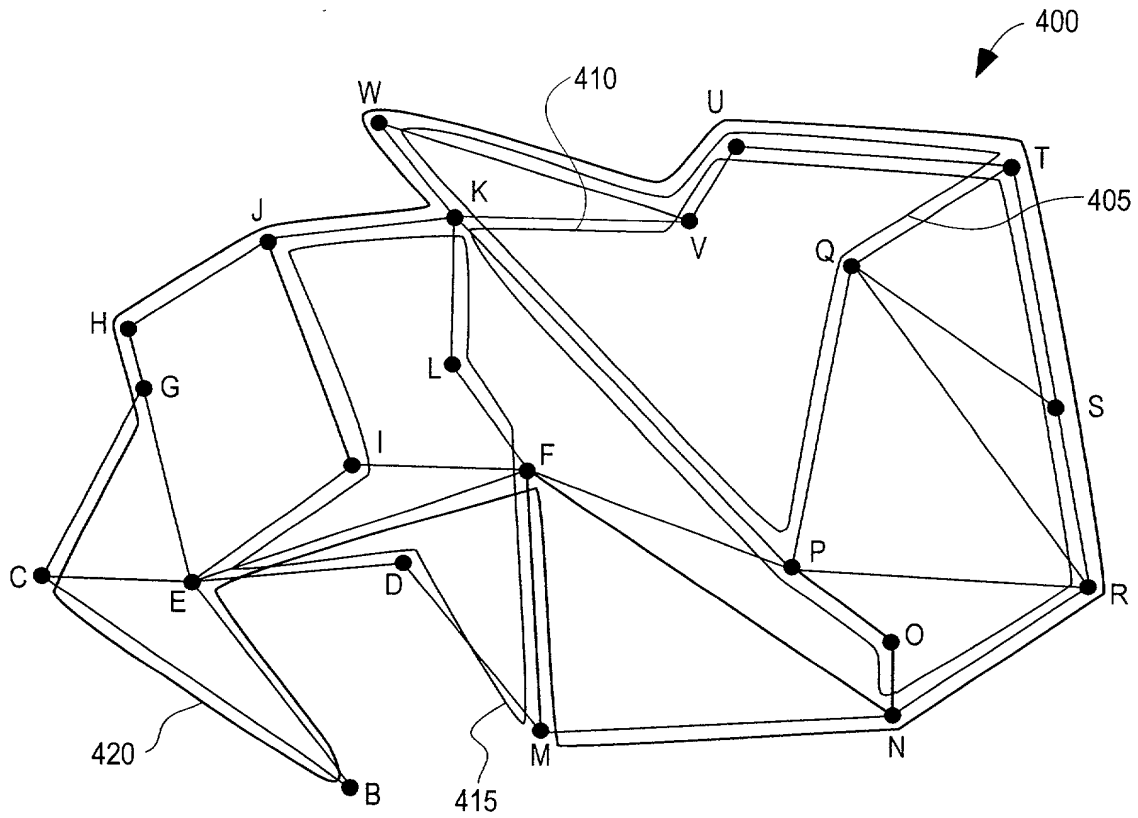
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FIG. 6



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FIG. 7



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FIG. 8

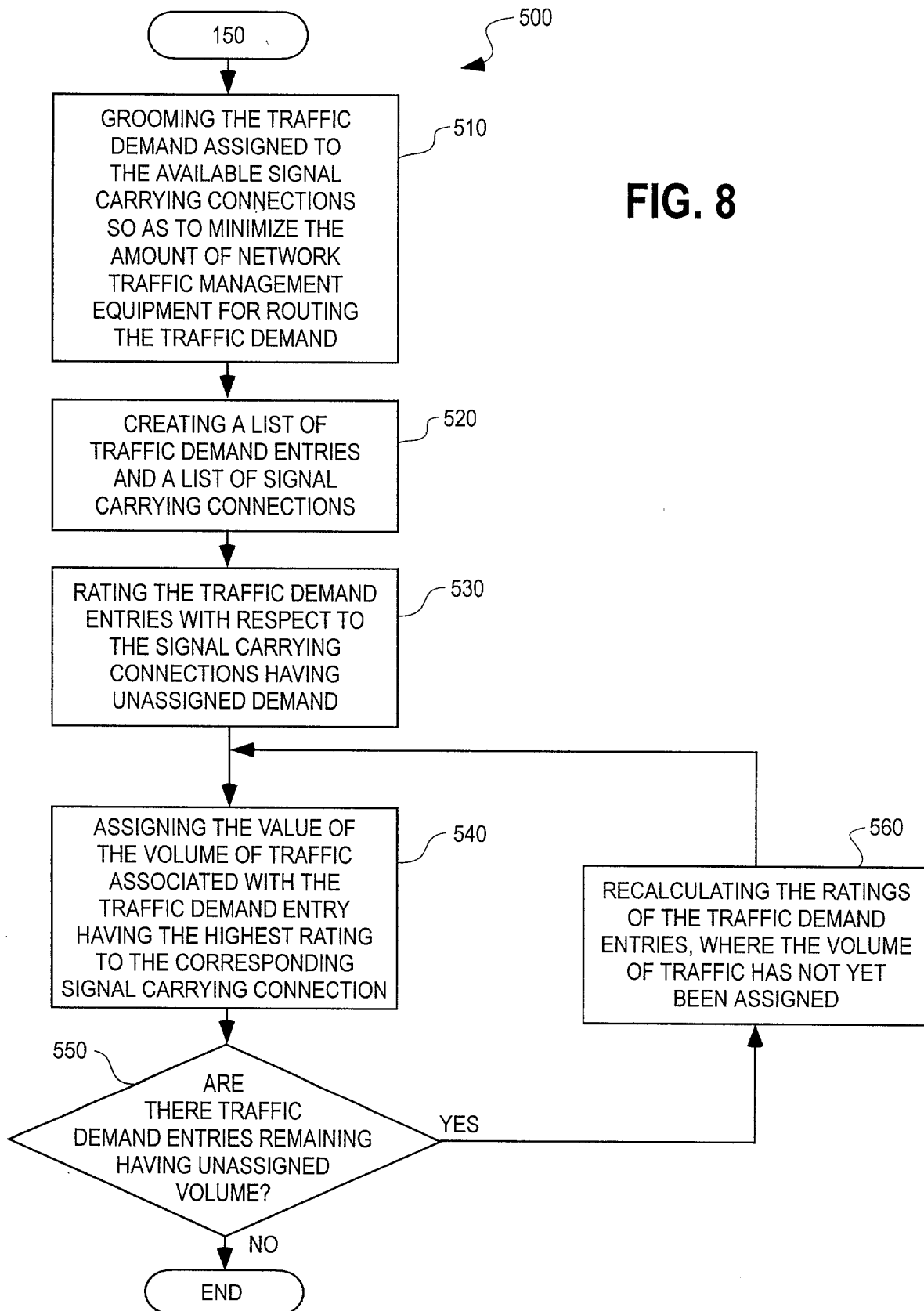


FIG. 9
PRIOR ART

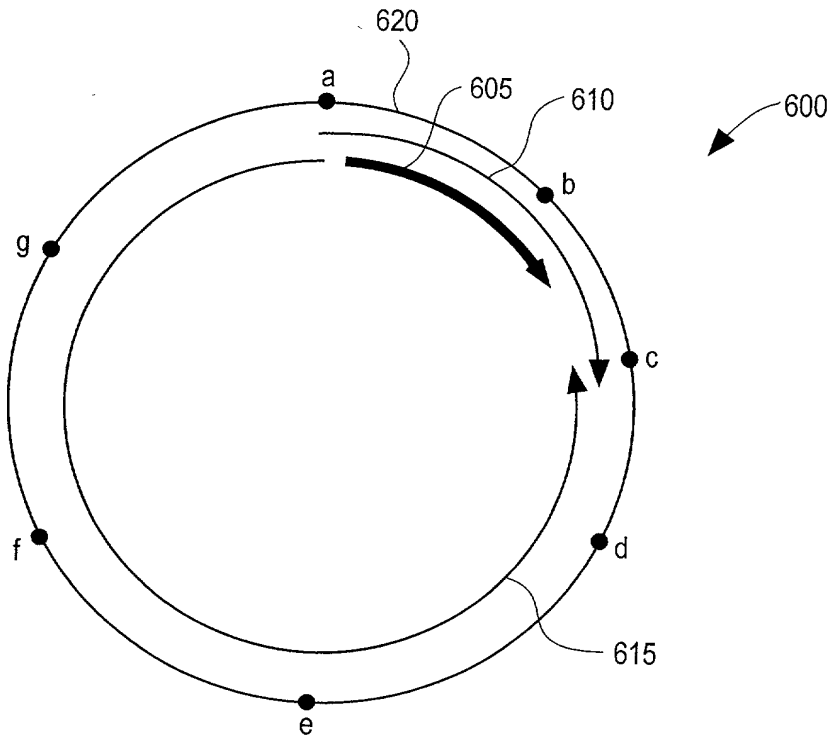
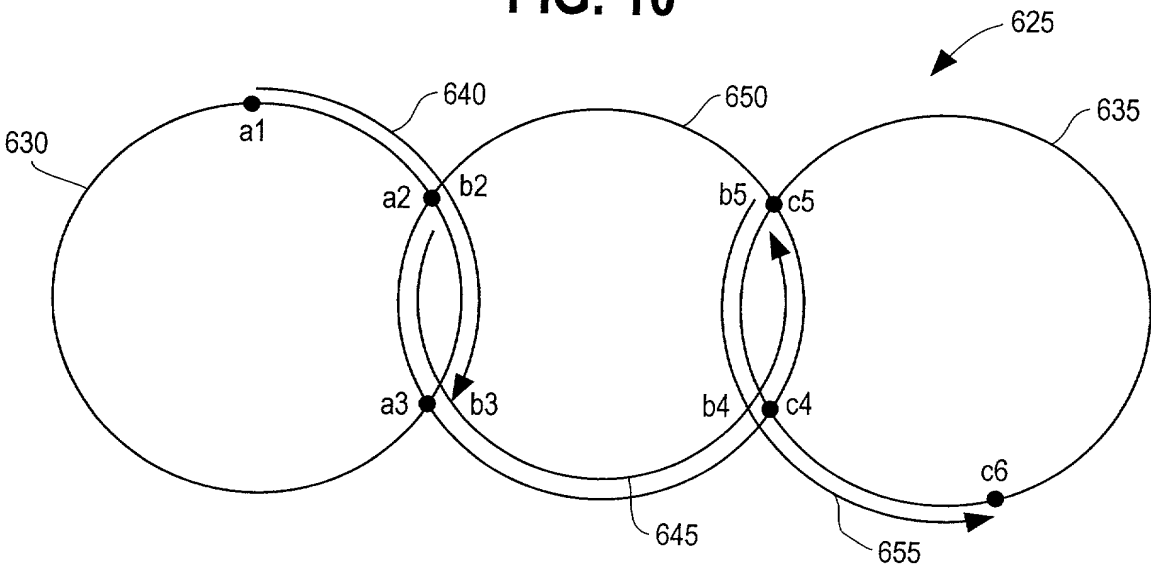


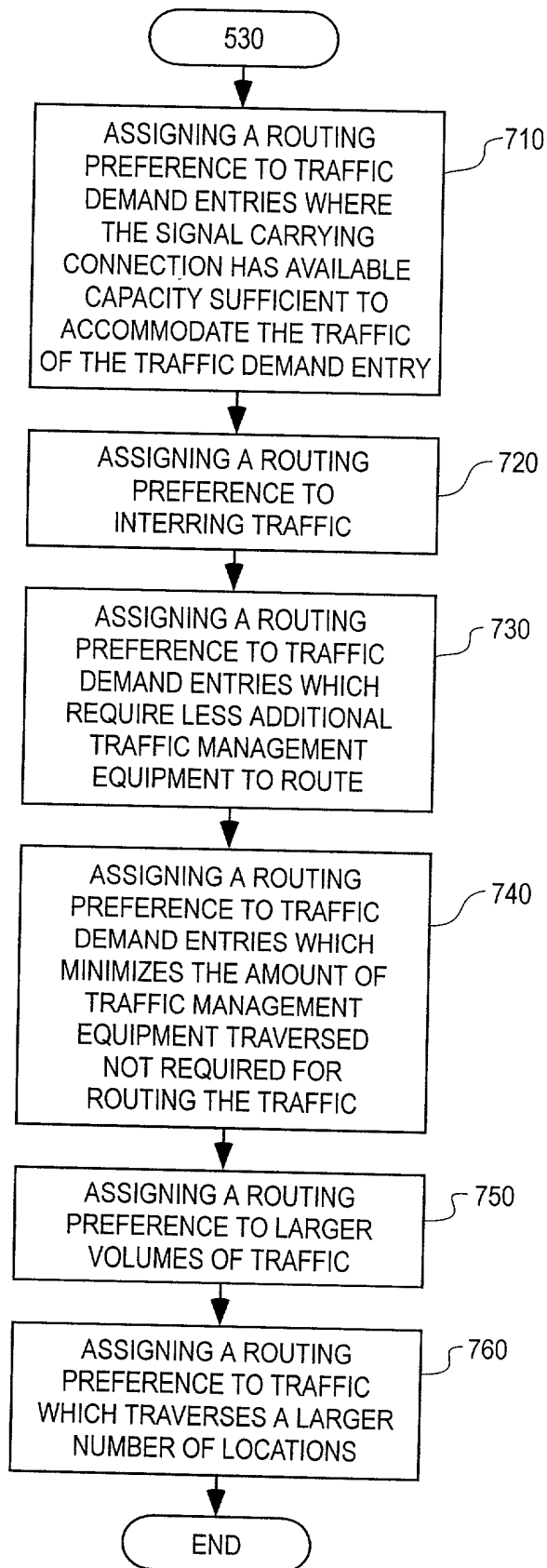
FIG. 10



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FIG. 11



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FIG. 12

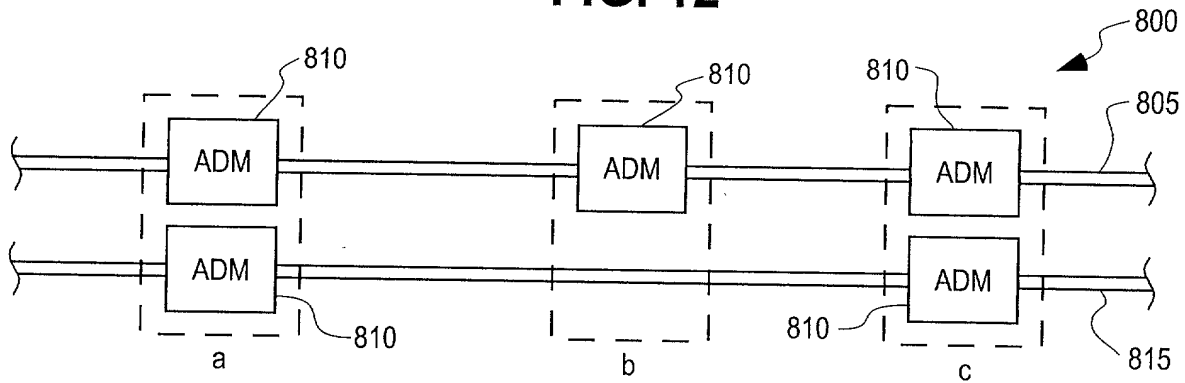


FIG. 13

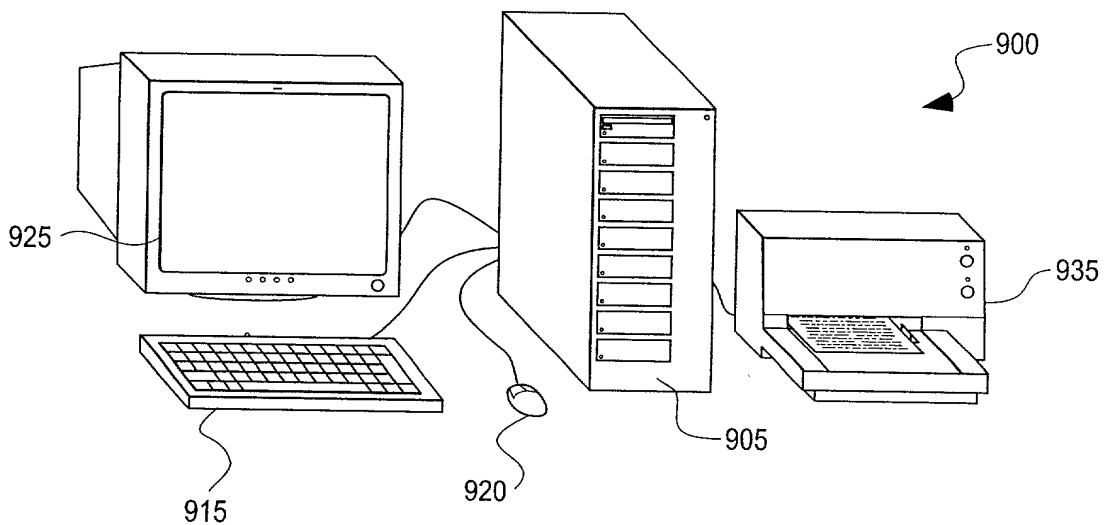


FIG. 14

